



PARADIENE® 30 FR TG BW

Commercial Product Data Sheet

Paradiene 30 FR TG BW is a modified bitumen finish ply of the Siplast Paradiene 20/30 FR TG BW System. Designed for use in homogeneous multi-layer modified bitumen roof membrane systems, Paradiene 30 FR TG BW consists of a lightweight random fibrous glass mat impregnated and coated with high quality styrene-butadiene-styrene (SBS) modified bitumen, and surfaced with highly reflective, white mineral granules. The back of the sheet is coated with a modified bitumen asphalt layer specifically formulated for torch application, is embossed with a grooved pattern, and is surfaced with a polyolefin burn-off film.

Contact Siplast for information on approved product uses.

USES: FINISH PLY

Standards	ASTM D6163 Type I, Grade G; CSA A123.23-15 Type A, Grade 1		
Roll Length	Min: 25.25 ft (7.70 m)		
Roll Width	Avg: 3.28 ft (1.00 m)		
Coverage	0.75 Square (7.0 m²)		
Coverage Weight Per Square	Min: 96 lb (4.68 kg/m²)		
Selvage Width	Avg. 2.75 in (70 mm) Orange laying line is 3 in (76 mm) from the edge of the sheet.		
Selvage Surfacing	Polyolefin Burn-off Film		
Top Surfacing	Bright White Mineral Granules		
Back Surfacing	Polyolefin Burn-off Film		
Product Options	RoofTag		

PRODUCT INFORMATION

Application

Refer to the Siplast Technical Guide for detailed application information and slope limitations. Paradiene 30 FR TG BW is lapped 3 inches (76 mm) side and end.



Storage and Handling

All Siplast roll roofing products should be stored on end on a clean, flat surface. Rolls should not be dropped on ends or edges or stored in a leaning position. Deformation resulting from these actions will make proper installation difficult. All roofing products should be stored in a dry place out of direct exposure to the elements and should not be double stacked. Material should be handled so that it remains dry prior to and during installation.

See product packaging and the Safety Data Sheet for specific information on the safe handling of this product.

Packaging

Pallet: 41 in x 48 in (104 cm x 122 cm) wooden pallet

Rolls Per Pallet: 25 Pallets Per Truckload: 18

Minimum Roll Weight: 72 lb (32.6 kg)

Listings, Approvals, & Certifications

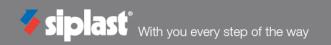








Current copies of all Siplast Commercial Product Data Sheets & Safety Data Sheets are posted on our website at www.siplast.com
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U.S. TEST STANDARDS

Property (as Manufactured)	Values / Units		Test Method	
Thickness (average)	138 mils	138 mils (3.5 mm)		
*Thickness at Selvage	118 mils (3.0 mm) avg.	114 mils (2.9 mm) min.	ASTM D5147 Section 6	
**Peak Load @ 73.4°F (23°C) (average)	30 lbf/inch	30 lbf/inch (5.3 kN/m)		
**Peak Load @ 0°F (-18°C) (average)	75 lbf/inch	75 lbf/inch (13.2 kN/m)		
**Elongation @ Peak Load 73.4°F (23°C) (average)	3%		ASTM D5147 Section 7	
**Elongation @ Peak Load 0°F (-18°C) (average)	3%		ASTM D5147 Section 7	
**Ultimate Elongation @ 73.4°F (23°C) (average)	5	55%		
**Tear Strength (average)	40 lbf (40 lbf (0.18 kN)		
Water Absorption (maximum)	1	1%		
Dimensional Stability (maximum)	0.1%		ASTM D5147 Section 11	
Low Temperature Flexibility (maximum)	-15°F (-26°C)		ASTM D5147 Section 12	
Granule Embedment	1.5 grams per sample Max. avg. loss	2.0 grams per sample Max. individual loss	ASTM D5147 Section 15	
Compound Stability (minimum)	250°F (121°C)		ASTM D5147 Section 16	
Coating Thickness - Back Surface	≥40 mils (1 mm)		ASTM D5147 Section 17	
Cyclic Fatigue	Paradiene 30 FR TG BW bonded to Paradiene 20, with an approved method of attachment, passes ASTM D5849 both as manufactured and after heat conditioning, according to ASTM D5147.			
*Magazirad on the column adap avaluding the granula curfacing	The above properties have been validated by PRI and are under continuous			

*Measured on the selvage edge excluding the granule surfacing.





The above properties have been validated by PRI and are under continuous follow-up to ensure compliance. The product has been validated to meet ASTM D6163-08, Type I, Grade G.

CANADA TEST STANDARDS

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Property (as Manufactured)	Values	/ Units	Test Method				
Thickness (average)	3.5 mm	3.5 mm (138 mils)					
*Thickness at Selvage	3.0 mm (118 mils) avg.	2.9 mm (114 mils) min.	CSA A123.23-15				
**Peak Load @ 23°C (73.4°F) (average)	5.3 kN/m (30 lbf/inch)		CSA A123.23-15				
**Peak Load @ -18°C (0°F) (average)	13.2 kN/m (75 lbf/inch)		CSA A123.23-15				
**Elongation @ Peak Load 23°C (73.4°F) (average)	3%		CSA A123.23-15				
**Elongation @ Peak Load -18°C (0°F) (average)	3%		CSA A123.23-15				
**Ultimate Elongation @ 23°C (73.4°F) (average)	55%		CSA A123.23-15				
Dimensional Stability	0.1%		CSA A123.23-15				
Low Temperature Flexibility (maximum)	-26°C (-15°F)		CSA A123.23-15				
Granule Embedment	1.5 grams per sample Max. avg. loss	2.0 grams per sample Max. individual loss	CSA A123.23-15				
Compound Stability (minimum)	121°C (250°F)		CSA A123.23-15				
Coating Thickness - Back Surface	≥1 mm (40 mils)		CSA A123.23-15				
*Measured on the selvage edge excluding the granule surfacing. **The value reported is the lower of either MD or XD.							

SOLAR REFLECTANCE / THERMAL EMITTANCE

Property (as Manufactured)	Values / MD	Values / XMD	Test Method
Solar Reflectance (avg.)	0.74		ASTM C1549
Thermal Emittance (avg.)	0.91		ASTM C1371
Solar Reflectance Index (avg.)	92		ASTM E1980